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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/817,468	04/02/2004	Marc Piazza	S1022.80888US01	S1022.80888US01 3191	
7590 10/15/2004			EXAMINER		
James H. Morris Wolf, Greenfield & Sacks, P.C.			NHU, DAVID		
Federal Reserve Plaza			ART UNIT	PAPER NUMBER	
600 Atlantic Avenue			2818		
Boston, MA (02210		DATE MAILED: 10/15/2004	DATE MAILED: 10/15/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
Office Action Summany	10/817,468	PIAZZA ET AL.	
Office Action Summary	Examiner	Art Unit	
·	David Nhu	2818	
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the c	correspondence address	
A SHORTENED STATUTORY PERIOD FOR REPL' THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1: after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period v - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be ting within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	mely filed ys will be considered timely. In the mailing date of this communication. ED (35 U.S.C. § 133).	
Status			
1) Responsive to communication(s) filed on <u>02 A</u>	pril 2004.		
	action is non-final.		
3) Since this application is in condition for allowar		osecution as to the merits is	
closed in accordance with the practice under E	Ex parte Quayle, 1935 C.D. 11, 4	53 O.G. 213.	
Disposition of Claims			
4) Claim(s) 1-19 is/are pending in the application.			
4a) Of the above claim(s) 10-13 is/are withdraw	vn from consideration.		
5) Claim(s) is/are allowed.	•		
6)⊠ Claim(s) <u>1-9 and 14-19</u> is/are rejected.			
7) Claim(s) is/are objected to.			
8) Claim(s) are subject to restriction and/o	r election requirement.		
Application Papers			
9)☐ The specification is objected to by the Examine	r.		
10) The drawing(s) filed on is/are: a) acc			
Applicant may not request that any objection to the	drawing(s) be held in abeyance. Se	e 37 CFR 1.85(a).	
Replacement drawing sheet(s) including the correct	•		
11)☐ The oath or declaration is objected to by the Ex	caminer. Note the attached Office	e Action or form PTO-152.	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:)-(d) or (f).	
1. Certified copies of the priority document2. Certified copies of the priority document		ion No. 10/255 392	
3. Copies of the certified copies of the prior			
application from the International Bureau	•	od III tilis Mattoliai Otago	
* See the attached detailed Office action for a list	• • • • • • • • • • • • • • • • • • • •	ed.	
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AM-2-1	Davis	RICH	
Attachment(s) 1) Notice of References Cited (PTO-892)	4) Interview Summary	, (PTO-413)	
2) Notice of References Cited (PTO-092) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail D	ate	
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)	5) Notice of Informal I	Patent Application (PTO-152)	_
Paper No(s)/Mail Date <u>01</u> .	o) 🗀 Other		

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Claims Objection

1. Claims 1-9, 14-19, "the strips" should be –the parallel strips— "the semiconductor layer" should be –the single crystal semiconductor layer— "the first trench, the second trench, the first and second trenches" should be — the first parallel trench, the second parallel trench, the first and second parallel trenches— "the first conductive line, the second conductive line" should be — the first parallel conductive line, the second parallel conductive line—

Claim Rejections - 35 USC § 112

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3. Claims 2, 7, 8, 9,18, 19 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 2. "the structure, the first substrate" lack a clear antecedent basis.

Claim 7, "the peripheral semiconductor" lacks a clear antecedent basis.

Claims 8, 9, 18, 19 "the bottom, the walls, the portions, the surface, the entire structure" lack a clear antecedent basis.

Conclusion

4. A shortened statutory period for response to this action is set to expired 3 (three) months and 0 (zero) day from the date of this letter. Failure to respond within the period for response will cause the application to become abandoned (see 710.02 (b)).

Application/Control Number: 10/817,468

Art Unit: 2818

5. Any inquiry concerning this communication on earlier communications from the examiner should be directed to David Nhu, (571)272-1792. The examiner can normally be reached on Monday-Friday from 7:30 AM to 5:00 PM. The examiner's supervisor, David Nelms can be reached on (571)272-1787.

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The fax phone number for the organization where this application or proceeding is assigned is (703)872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956

& wis Da

David Nhu

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October 14, 2004